

DESCRIPTION

esave SLC-Hub 200 Series helps cities to easily upgrade their street light to smart street light. The luminaire only needs to be equipped with a Zhaga Connector. The Communication is ensured via an automatic, organizing 2.4 GHz mesh network. Each street light communicates with all luminaires which can be reached. By using an optional SIM card, which can be equipped with a controller, the individual luminaires can be included directly in the web platform.

Versions of the 200 series

SLC-Hub

SLC-Hub GPS

SLC-Hub C



Certificates



Features (all SLC-Hub)



Mesh Network



AstroDim



Remote Management



On-Site Management



Brightness Sensor



Tilt Sensor



Temperature Sensor



Optional Motion Sensor

extra Features (SLC-Hub GPS)



Built-In GNSS



Automatic Positioning

extra Features (SLC-Hub C)



Cellular Connection



Built-In GNSS



Automatic Positioning



Mesh Network

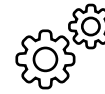
The Communication is ensured via an automatic, organizing 2.4 GHz mesh network. Each street light communicates with all luminaires which can be reached.

- Automatically organizing mesh network
- Industry standard 2.4 GHz wireless network
- AES 128Bit encrypted data transmission



Remote Management

The Light Management Platform of esave provide highly accurate information about the current and historical status of a lighting network. The Network can be configured, monitored and managed remotely via the cloud. This will help to accelerate decision making, providing cost-effective maintenance, and improving public services.



On-Site Management

Be in control of your data with full flexibility to manage your lighting networks on site. Our software with intuitive and easy-to-use configuration tools allows you to set the operational mode and dimming level for every individual luminaire or a group of luminaires. Customize it once and it works efficiently every day.



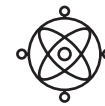
AstroDim

With the AstroDim function, the approximate sunrise time and sunset time can be calculated. In this way, a luminaire can be switched on and off based on the calculated times. Subsequently, each individual street light can be configured with a desired dimming profile and adapted to the locally required specifications and needs.



Brightness Sensor

Due to the integrated brightness sensor, the light can be switched on or off depending on the set brightness value. Since each SLC-Hub is equipped with a brightness sensor, no additional mounting of an external sensor is necessary.



Tilt Sensor

Due to the integrated inclination sensor, movements of the X-, Y- and Z-axis can be perceived. If a road user collides with a pole, a message can be generated that the inclination is no longer the same. This sensor enables street lamps to be checked and repaired more quickly.



Temperature Sensor

Due to the integrated temperature sensor, the controller can be actively monitored. By regularly checking the information about the luminaire status, proactive maintenance and failures can be detected prematurely.



Optional Motion Sensor

Through the use of motion sensors, the lighting becomes dynamic. Once the sensors register analogue movement in the illumination area, light intensity is automatically increased to a higher level and a message is sent to the next luminaire, which also increases the intensity of the light before a pedestrian or a vehicle reaches the next luminaire position.



Automatic Positioning

The built-in GNSS receiver helps to automatically locate and commission a single street light.



Built-In GNSS

The optionally integrated GNSS receiver (Global Navigation Satellite System) provides the luminaires with the current date and time information. This enables fully automatic, minute-by-minute control of the lighting.

GNSS:
GPS / GLONASS / BeiDou / Galileo / QZSS



Cellular Connection

By using an optional SIM card, which can be equipped with a controller, the individual luminaires can be included directly in the web platform.

Among each other, all controllers continue to communicate via the mesh network, which provides the usual functionality.

Worldwide cellular connectivity due to support of the following technologies:
LTE Cat M1 / NB-IoT NB2 / EGPRS